

Amendments to the Claims

1. (currently amended) A roller switch comprising a roller, a flag arm, and a photoelectric detector, wherein the roller is connected to the flag arm and vertical movement of the roller causes the flag arm to move, and movement of the flag arm causes the photoelectric detector to send a signal, the roller switch being characterized by:

a pair of identical flag arms,
the roller being mounted on a shaft that extends between the pair of identical flag arms.
2. (original) A roller switch in accordance with claim 1 wherein adjacent to the roller shaft is a tube that extends between both flag arms.
3. (currently amended) A roller switch in accordance with claim 1 wherein the flag arms pivot about a second shaft that extends between the two arms and is adjacent to the roller.
4. (original) A roller switch in accordance with claim 1 wherein vertical movement of the roller causes at least one flag arm to unblock the photoelectric detector.
5. (original) A roller switch in accordance with claim 1 wherein the roller switch is capable of pivoting about one end when mounted onto a support structure.
6. (original) A roller switch in accordance with claim 5 wherein the roller and the flag arms are capable of being fixedly raised prior to pivoting of the roller switch.
7. (original) A roller switch in accordance with claim 1 wherein each flag arm is attached to an end plate, a first end plate being further attached to a pivoting means and a ~~the~~ second end plate being further attached to a locking tube into which a locking pin is inserted, the roller switch capable of pivoting about the first end plate when the locking pin is removed from the tube.

8. (canceled)
9. (new) A roller switch comprising a roller, a pair of flag arms, and a photoelectric detector, the roller is mounted on a first shaft that extends between the pair of flag arms and a second shaft extends between the pair of flag arms, the second shaft being adjacent to the roller, wherein vertical movement of the roller causes the pair of flag arms to pivot about the second shaft, and movement of one of the pair of flag arms causes the photoelectric detector to send a signal.
10. (new) A roller switch in accordance with claim 9, the switch further comprising a tube mounted on the second shaft and extends between the pair of flag arms.
11. (new) A roller switch in accordance with claim 9, the switch further comprising a support beam parallel to the first and second shafts, wherein the photoelectric detector can be mounted on either end of the beam.
12. (new) A roller switch in accordance with claim 9 wherein the flag arms each have a horizontal leg and a vertical leg.
13. (new) A roller switch in accordance with claim 1 wherein the flag arms each have a horizontal leg and a vertical leg.